Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-20 (canceled)

21. (currently amended) A wireless transmission system comprising:

a plurality of hearing devices, each~~at least one~~ hearing device comprising a signal processing unit and an electro-acoustic transducer, the signal processing unit being operatively connected to the electro-acoustic transducer;

means for transmitting a plurality of audio signals to the hearing devices, wherein each audio signal~~of which~~ is transmitted at a predefined carrier frequency;

each hearing device further comprising means for receiving at least one of the plurality of audio signals, ~~said means for receiving at least one of the plurality of audio signals being comprised in the at least one hearing device, and~~ said means for receiving at least one of the plurality of audio signals being operatively connected to at least one of the signal processing unit and the electro-acoustic transducer;

means for remotely generating and wirelessly transmitting configuration parameters to the hearing devices, for configuring the means for receiving at least one of the plurality of audio signals;

each hearing device further comprising means for receiving the configuration parameters, said means for receiving the configuration parameters being comprised in said means for receiving at least one of the plurality of audio signals; and

each hearing device further comprising means for tuning the means for receiving ~~of~~ at least one of the plurality of audio signals to an audio signal according to the configuration parameters,

wherein the plurality of audio signals as well as the configuration parameters are transmitted wirelessly via independent transmission channels.

22. (currently amended) The wireless transmission system as claimed in claim 21, wherein the means for remotely generating and wirelessly transmitting the configuration parameters are provided in at least one of a remote control, a transmitter, a control unit connected to a loop antenna, and a configuration unit.

23. (previously presented) The wireless transmission system as claimed in claim 21, wherein the means for transmitting a plurality of audio signals consist of a single unit.

24. (previously presented) The wireless transmission system as claimed in claim 21, wherein the means for transmitting a plurality of audio signals consist of a plurality of units, each being able to transmit one audio signal.

25. (currently amended) The wireless transmission system as claimed in claim 21, further comprising a transmission unit containing the means for remotely generating and wirelessly transmitting the configuration parameters as well as the means for transmitting the plurality of audio signals.

26. (currently amended) The wireless transmission system as claimed in claim 21, further comprising a configuration unit containing the means for remotely generating and wirelessly transmitting the configuration parameters, wherein the configuration unit is capable of establishing a bidirectional communication link to the means for receiving the configuration parameters allowing programming of~~the~~ at least one of the hearing devices.

27. (previously presented) The wireless transmission system as claimed in claim 26, further comprising a computer unit that is operationally connected to the configuration unit.

28. (previously presented) The wireless transmission system as claimed in claim 21, further comprising a control unit that is, on one side, connected to a loop antenna and, on another side, connected to a input/computing unit.

29. (previously presented) The wireless transmission system as claimed in claim 28, wherein the input/computing unit is connected via a Universal Standard Bus to the control unit.

30. (currently amended) The wireless transmission system as claimed in claim 21, wherein ~~the~~ at least one of the hearing devices includes at least one hearing aid adapted to be worn by a user.

31. (currently amended) A wireless transmission system comprising:

a plurality of hearing devices, each~~at least one~~ hearing device comprising a signal processing unit and an electro-acoustic transducer, the signal processing unit being operatively connected to the electro-acoustic transducer;

means for transmitting a plurality of audio signals to the hearing devices, wherein each audio signal~~of which~~ is transmitted at a predefined carrier frequency;

each hearing device further comprising means for receiving at least one of the plurality of audio signals, said means for receiving at least one of the plurality of audio signals being detachably coupled to the at least one hearing device, and said means for receiving at least one of the plurality of audio signals being operatively connected to at least one of the signal processing unit and the electro-acoustic transducer;

means for remotely generating and wirelessly transmitting configuration parameters to the hearing devices, for configuring the means for receiving at least one of the plurality of audio signals;

each hearing device further comprising means for receiving the configuration parameters, said means for receiving the configuration parameters being comprised in said means for receiving at least one of the plurality of audio signals; and

each hearing device further comprising means for tuning the means for receiving ~~of~~ at least one of the plurality of audio signals to an audio signal according to the configuration parameters,

wherein the plurality of audio signals as well as the configuration parameters are transmitted wirelessly via independent transmission channels.

32. (currently amended) The wireless transmission system as claimed in claim 31, wherein the means for remotely generating and wirelessly transmitting the configuration parameters are provided in at least one of a remote control, a transmitter, a control unit connected to a loop antenna, and a configuration unit.

33. (previously presented) The wireless transmission system as claimed in claim 31, wherein the means for transmitting a plurality of audio signals consist of a single unit.

34. (previously presented) The wireless transmission system as claimed in claim 31, wherein the means for transmitting a plurality of audio signals consist of a plurality of units, each being able to transmit one audio signal.

35. (currently amended) The wireless transmission system as claimed in claim 31, further comprising a transmission unit containing the means for remotely generating and wirelessly transmitting the configuration parameters as well as the means for transmitting the plurality of audio signals.

36. (currently amended) The wireless transmission system as claimed in claim 31, further comprising a configuration unit containing the means for remotely generating and wirelessly transmitting the configuration parameters, wherein the configuration unit is capable of establishing a bidirectional communication link to the means for receiving the configuration parameters allowing programming ofthe at least one of the hearing devices.

37. (previously presented) The wireless transmission system as claimed in claim 36, further comprising a computer unit that is operationally connected to the configuration unit.

38. (previously presented) The wireless transmission system as claimed in claim 31, further comprising a control unit that is, on one side, connected to a loop antenna and, on another side, connected to a input/computing unit.

39. (previously presented) The wireless transmission system as claimed in claim 38, wherein the input/computing unit is connected via a Universal Standard Bus to the control unit.

40. (currently amended) The wireless transmission system as claimed in claim 31, wherein ~~the~~ at least one of the hearing devices includes at least one hearing aid adapted to be worn by a user.

41. (previously presented) A hearing aid comprising:

a radio frequency receiver comprising an oscillator providing an oscillator frequency;

a synthesizer for generating a plurality of receiving frequencies by transforming the oscillator frequency to the plurality of receiving frequencies; and

a switch for activating an adjustment unit, which upon activation provide a scanning of a frequency band.

42. (previously presented) A hearing aid according to claim 41, where the adjustment unit is adapted to, upon closing of the switch for a predetermined duration, to provide the scanning of the frequency band.

43. (previously presented) A wireless transmission system comprising:

a hearing aid; and

a wireless receiver module connected to the hearing aid, the wireless receiver module comprising:

a radio frequency receiver which generates a digital audio signal which is fed directly to the hearing aid, the radio frequency receiver comprising an oscillator providing an oscillator frequency,

a synthesizer which generates a plurality of receiving frequencies by transforming the oscillator frequency, and

an adjustment unit which controls the synthesizer.

44. (previously presented) A wireless transmission system according to claim 43, wherein the wireless receiver module is mounted as a separate element on the hearing aid.

45. (previously presented) A unit for mounting on a hearing aid, the unit comprising:

a radio frequency receiver for generating a digital signal and to transmitting the digital signal to the hearing aid, wherein the receiver comprises an oscillator providing a oscillator frequency;

a synthesizer for generating a plurality of receiving frequencies; and

a connection for detachably connecting to the hearing aid for transmission of a signal from the unit to the hearing aid.